

Flood your components with high intensity LED UV light

To help you boost production speed, consistency, and reliability with LED UV curing, we've introduced the [Dymax BlueWave® FX-1250 LED UV Curing Flood Lamp](#). The lamp can cure LED matched [UV curable adhesives, coatings](#), and inks in seconds with high uniformity, high irradiance UV light. The combination of great uniformity, high intensity, and large curing area enables the FX-1250 to achieve industry-leading performance.

The FX-1250 is capable of outputting intensities between 1,700 mW/cm² and 2,100 mW/cm² (depending on frequency) over a large cure area of 12.7 cm x 12.7 cm, enabling the rapid, efficient curing of compatible UV adhesives and materials. The system floods components with UV, processing large areas with cool LED UV light radiation, making it compatible with heat-sensitive substrates. It offers exceptional uniformity across the whole area, without hotspots or significantly loss of intensity at the edges, to enable the complete cure of materials and a consistent production process. These features make it suitable for critical applications in aerospace, medical, and electronics assembly.

The flexible system uses a single base controller to operate a standalone, mountable LED UV emitter, which is available in 365, 385, and 405 nm wavelengths for broad compatibility with different light-curable materials. The controller uses a large touch screen with an easy-to-navigate user interface. Manufacturers can group two emitters together to create larger curing arrays or use multiple wavelengths simultaneously to extend application flexibility and capability.

LED technology allows an instant on/off, controllable operation with no bulbs to replace and no warm-

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up time, eliminating the need for mechanical shutters. The lamp can be combined with optional light shields for complete UV protection when used as a benchtop system. Alternatively, it can be easily integrated into automated systems and activated, controlled, and remotely monitored via a PLC connection.

Would the Dymax FX-1250 LED UV flood lamp boost your production efficiency? [Our technical specialists](#) are available to answer any questions you may have.

Supplied by:

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